

2			DIGESTATE		
Q	t/d	209,0			
TSS	%	<2,5			
TDS	%	<2,0			
COD	ppm	>4.900			
Nt	ppm	3150			

CHEMICALS CONSUMPTION		
Antifoam (*)	g/t	--
Nutrients	g/t	3400
Sodium hydroxide (30%)	g/t	--
* per Start-up		
ENERGY CONSUMPTION		
Installed power	kW	230
Specif.Energ.Cons.	kWh/t	21.0-25.0

CHEMICALS CONSUMPTION		
Acid cleaner	g/t	10
Alkaline cleaner	g/t	30
Sodium hypochlorite	g/t	50
ENERGY CONSUMPTION		
Installed power	kW	95
Specif.Energ.Cons.	kWh/t	5.0-7.0

EXCESS SLUDGE		
Q	t/d	14 approx
TSS	%	2.0-2.2

3		
Q	t/d	195
TSS	%	<2,0
TDS	%	<2,0
TSS	%	0
COD	ppm	<2000
Nt	ppm	<500

CHEMICALS CONSUMPTION		
Acid cleaner	g/t	10
Alkaline cleaner	g/t	20
Antiscalant	g/t	10
Sulphuric acid (50%)	g/t	5250
Sodium hydroxide (30%)	g/t	100
ENERGY CONSUMPTION		
Installed power	kW	95
Specif.Energ.Cons.	kWh/t	6.0-8.0

4		
Q	t/d	145
TS	%	<0,03
TDS	%	<0,03
TSS	%	0
COD	ppm	<100
Nt	ppm	<40

CHEMICALS CONSUMPTION		
Acid cleaner	g/t	3
Alkaline cleaner	g/t	5
Antiscalant	g/t	3
Sulphuric acid (50%)	g/t	2250
ENERGY CONSUMPTION		
Installed power	kW	50
Specif.Energ.Cons.	kWh/t	2.5-4.5

5		
Q	t/d	50
TS	%	<6
TDS	%	<6
TSS	%	0
COD	ppm	<8000
Nt	ppm	<2000

7		
Q	t/d	22
TS	%	<11
TDS	%	<11
TSS	%	0,0
COD	ppm	1800,0
Nt	ppm	5000,0

6		
Q	t/d	32
TS	%	<32
TDS	%	<32
TSS	%	0,0
COD	ppm	25600,0
Nt	ppm	2400,0

REV.	DATA	DESCRIZIONE	DESIGN	DATE	DESIGN	DATE	DESIGN	DATE	DESIGN	DATE
3	15/07/2021	--	BIASIN	--	BRIANI	BRIANI				
0	15/06/2021	Rev.0	BIASIN	--	BRIANI	BRIANI				
REV.	DATA	DESCRIZIONE	DESIGN	DATE	DESIGN	DATE	DESIGN	DATE	DESIGN	DATE
Hydrotech Advanced water Technologies Engineering			DISEGNO N° -- Drawing N°		REV.					
HT-2020-203 1-2 R3+NF+ROSC										
TITOLO	DESCRIZIONE	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA
ANAEROBIC DIGESTATE TREATMENT	BIASIN	15/06/2021	PROIEZIONE	ISO - Method E						
OGGETTO	PRELIMINARY MASS BALANCE NF ROSC	VERIF.	VERIF.	VERIF.	VERIF.	VERIF.	VERIF.	VERIF.	VERIF.	VERIF.
Customer	BIOENERGY DEVCO (BIC)	1	1	1	1	1	1	1	1	1
QUESTO DISEGNO E' IN PROPRIETA' DELLA SOCIETA' HYDROTECH ENGINEERING s.r.l. ED E' TUTELATO A NORMA DI LEGGE. This drawing is property of HYDROTECH ENGINEERING s.r.l. company. all rights reserved.										
nome file HT-2021-138 0-2 Rev.0										
unita' di misura cm										
scala di plothaggio 1:1										